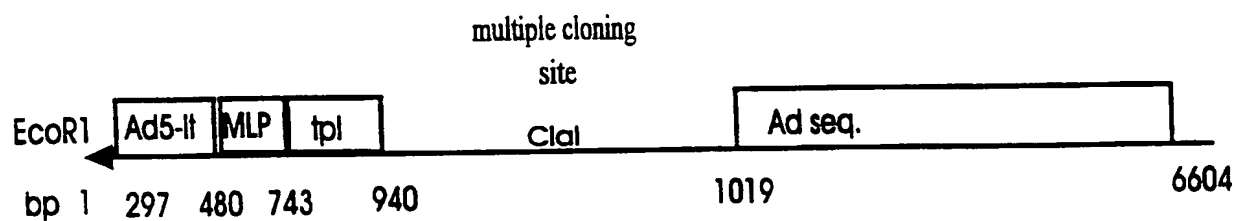
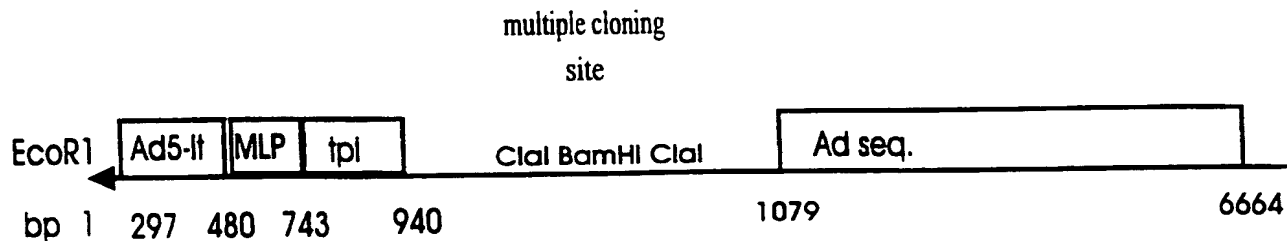


FIGURE 1**pMad5 9270 bp**

Ad5-5'PvuII (ITR, packaging signal)
Major late promoter (MLP)
Tripartite leader (tpl)
Ad5-BglII fragment (nt 3328-8914 Ad5)
b lactamase

BamHI-ClaI Linker

5'-GATCCCGCACGCGTGCAT-3'
3'-GGCGTGCGCACGCTAGC-5'

pMab 9306 bp

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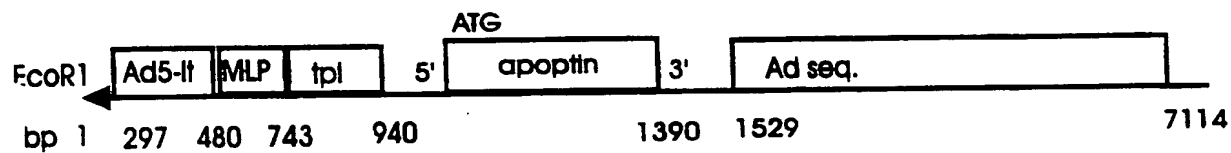
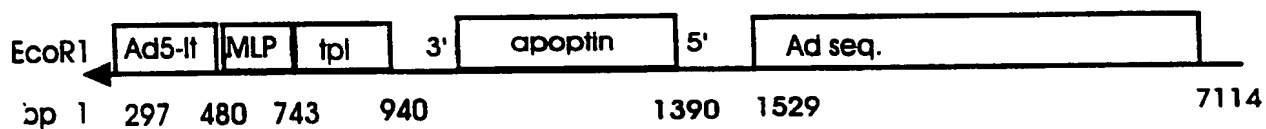
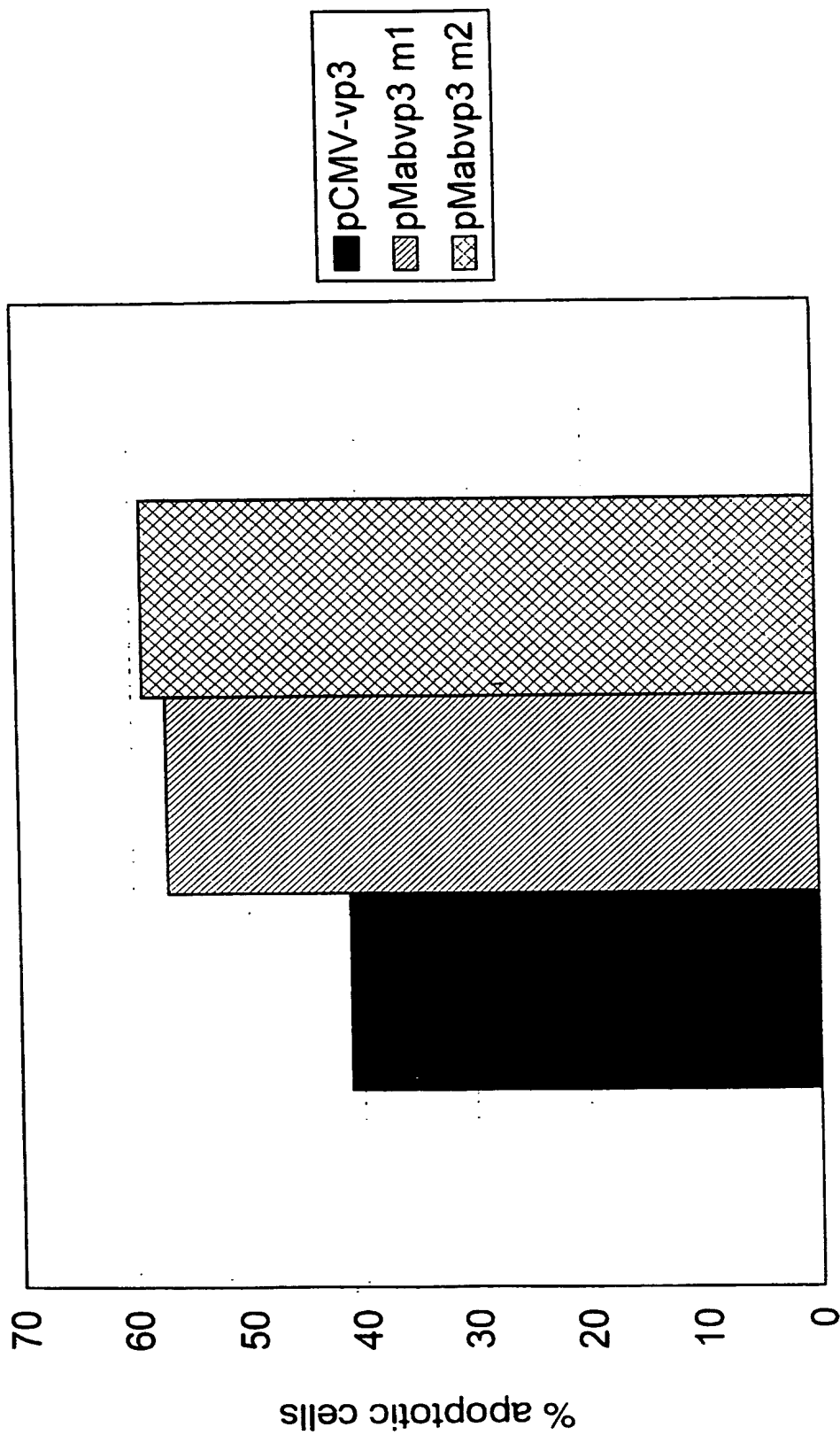
FIGURE 2**pMabvp3 9756 bp****pMabcon 9756 bp**

FIGURE 3

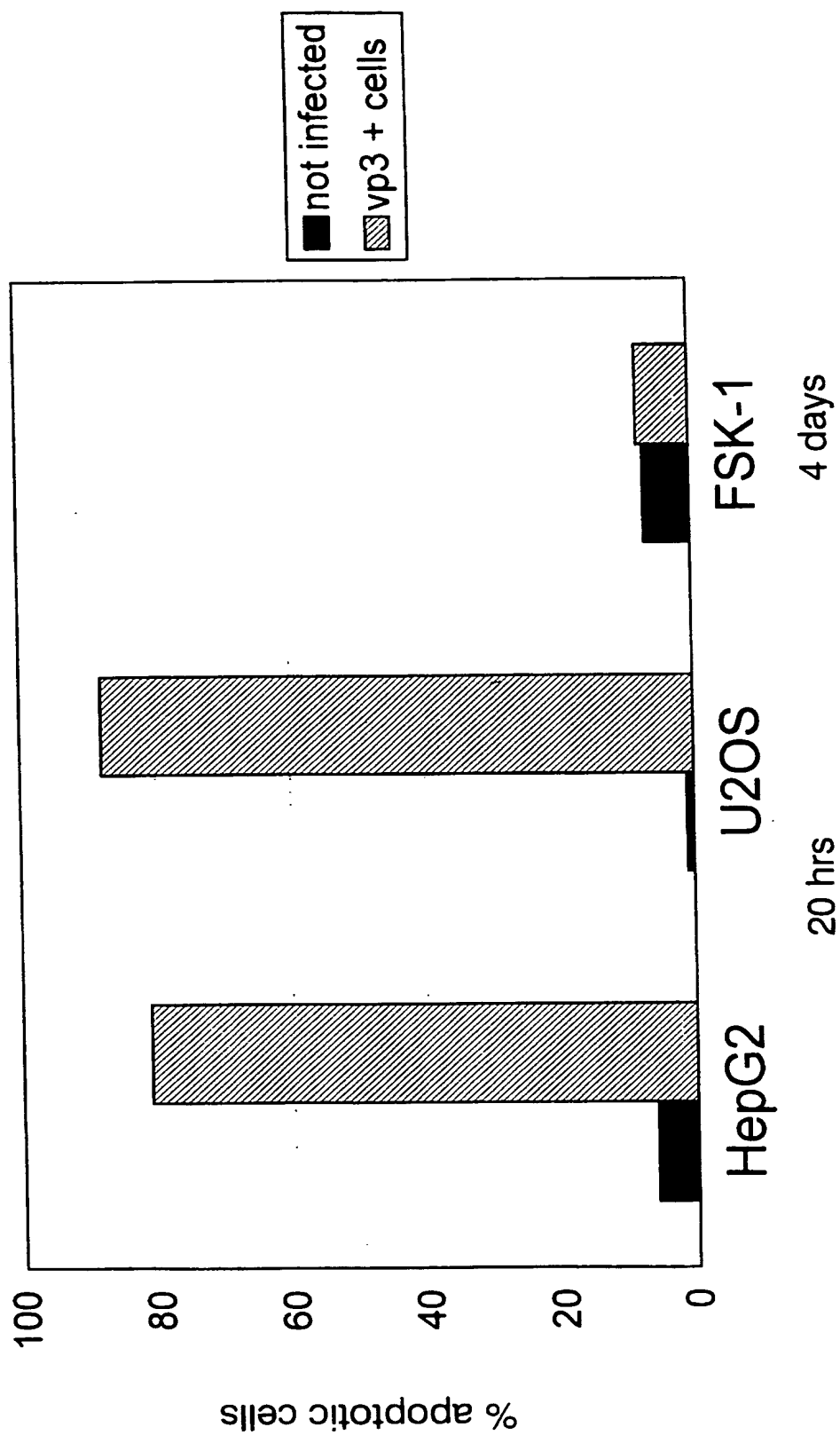
Ad transfer vector vs cmv vector

911 3 days after transfection



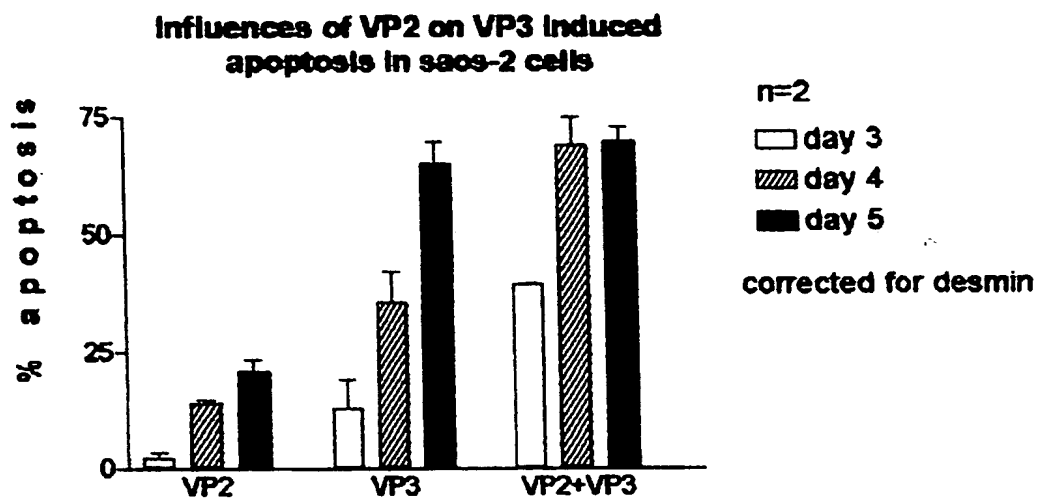
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FIGURE 4
effect Ad-vp3 on transformed and normal cells

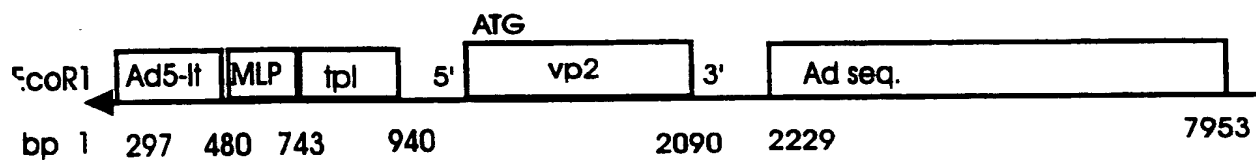
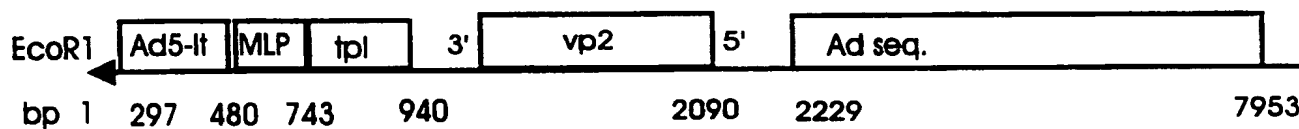


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FIGURE 5



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FIGURE 6**pMabvp2 10456 bp****pMabcon2 10456 bp**

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FIGURE 7

retroviral VP3 vector: